BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

DASARAHALLI DIVISION

MEASUREMENT SHEET

1st & Part

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Name of work:Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

measurement recorded on:

Sl No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202 (Page No.139/ Item No.18.19/ PWD SR 2018-19)						
	8th A Cross						
	Deck Slab						
	LHS	1	26.80	1.00	0.20	5.36	
		1	8.80	1.00	0.20	1.76	
					Present Qty	**7.12**	**Cum**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

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Name of work:Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

Pre measurement recorded on:

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
10	KSRRB 300-19, Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications, MORTH / Chapter 3 (Page No. 146/ Item No.19.55/ PWD SR 2018-19)								
	Uchhangi Temple Road								
		1	7.70	5.70	6.10	5.90		45.43	
		1	15.00	5.70	4.70	5.20		78.00	
		1	15.00	4.70	4.80	4.75		71.25	
		1	15.00	4.80	5.40	5.10		76.50	
		1	15.50	5.40	8.55	6.98		108.11	
		1	15.00	3.80	5.40	4.60		69.00	
		1	15.00	5.40	5.30	5.35		80.25	
		1	15.00	5.30	6.70	6.00		90.00	
		1	2.50	6.70	6.70	6.70		16.75	
		1	9.20	6.70	6.50	6.60		60.72	
		1	6.00	8.00	8.00	8.00		48.00	
		1	10.00	5.00	5.00	5.00		50.00	
							Present Qty	**794.01**	**Sqm**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

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Name of work:Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

re measurement recorded on:

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
2	KSRRB 300-3. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. (Page No. 143/ Item No. 19.1/ PWD SR 2018-19)								
	For Desilt								
	8th A Cross								
	LHS								
		1	26.80	0.60			0.45	7.24	
		1	8.80	0.60			0.50	2.64	
	For RCC Culvert								
	8th A Cross								
		1	10.90	2.00			1.30	28.34	
		1	3.90	1.50			1.30	7.61	
		1	4.50	2.00			1.30	11.70	
		1	3.90	1.50			1.30	7.61	
	Uchhangi Temple Road								
		1	6.00	2.00			1.30	15.60	
	For CC Road	ROAD -1							
	8th A cross								
		2	15.00	1.30	1.20	1.25	0.30	11.25	
		2	15.60	1.20	1.15	1.18	0.30	11.00	
	Near Shreeshakthi Bhavana	ROAD -2							
		1	10.00	7.00	2.50	4.75	0.30	14.25	
		1	15.00	4.00	4.70	4.35	0.30	19.58	
		1	15.00	4.70	3.50	4.10	0.30	18.45	
		1	15.50	3.50	3.50	3.50	0.30	16.28	
	Uchhangi Temple Road	ROAD -3							
		1	7.70	5.70	6.10	5.90	0.30	13.63	
		1	15.00	5.70	4.70	5.20	0.30	23.40	
		1	15.00	4.70	4.80	4.75	0.30	21.38	
		1	15.00	4.80	5.40	5.10	0.30	22.95	
		1	15.50	5.40	8.55	6.98	0.30	32.43	
		1	15.00	3.80	5.40	4.60	0.30	20.70	
		1	15.00	5.40	5.30	5.35	0.30	24.08	
		1	15.00	5.30	6.70	6.00	0.30	27.00	
		1	2.50	6.70	6.70	6.70	0.30	5.03	
		1	9.20	6.70	6.50	6.60	0.30	18.22	
		1	6.00	8.00	8.00	8.00	0.30	14.40	
		1	10.00	5.00	5.00	5.00	0.30	15.00	
							Present Qty	409.73	Cum

Assistant Engineer
Ward No.13

ಕಾರ್ಯನಿರ್ವಾಹಕ ಎಂಜಿನಿಯರ್

Asst. Executive Engineer,
Shettyhalli Sub Division
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

3/16

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Name of work:Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

Pre measurement recorded on:

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
9	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No-140 Item no - 18.47 of KPWD SR 2018-19)								
	For CC Road								
	8th A cross								
		2	15.00	1.30	1.20	1.25	0.15	5.63	
		2	15.60	1.20	1.15	1.18	0.15	5.50	
							Present Qty	**11.12**	**Cum**

Assistant Engineer
Ward No.13

Asst. Executive Engineer
Shettyhalli Sub Division

4/16

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Name of work: Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	D1	D2	Avg Depth	Qty	Unit
15	Removal of Unserviceable Soil with Disposal KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications, MORTH Specification No. 301 (P.No.144 & I.No.19,20 PWD 18-19)								
		Qty Same as Item No.2						409.73	
							Present Qty	409.73	Cum

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

5/16

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Name of work: **Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhava Surrounding Area In Ward No.13 Shettyhalli Sub Division**

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	D1	D2	Avg Depth	Qty	Unit
16	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications, MORTH -100/ Chapter 1 (P.No.136 & I.No.17.1 PWD 18-19)								
		Qty Same as Item No.1						7.12	
		Qty Same as Item No.9						11.12	
		Qty Same as Item No.10						51.61	
							Present Qty	69.85	Cum

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

6/15

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Name of work:Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshaktha Bhavan and Surrounding Area in Ward No.13 Shettyhalli Sub Division

Measurement recorded on:

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
17	KSBRR 6.1100.1.1 Cost of Haulage Excluding Loading and Unloading MORTH 1000 Chapter 1 Case 1: Surface Road (P.No.1.30 & 1.No.17.1 PWD 18 19)								
		Qty Same as per Item No.15						109.73	
		Qty Same as per Item No.16						69.85	
							Present Qty	479.58	Ukm

Assistant Engineer
Ward No.13

Asst. Executive Engineer
Shettyhalli Sub Division

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Name of work:Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

As measurement recorded on:

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
13	KSRRH 300 Compaction KSRRH 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (Page No-147 Item no - 19.64 of KPWD SR 2018-19)								
	For CC Road	ROAD -1							
	8th A cross								
		2	15.00	1.30	1.20	1.25		37.50	
		2	15.60	1.20	1.15	1.18		36.66	
	Near Shreeshakthi Bhavana	ROAD -2							
		1	10.00	7.00	2.50	4.75		47.50	
		1	15.00	4.00	4.70	4.35		65.25	
		1	15.00	4.70	3.50	4.10		61.50	
		1	15.50	3.50	3.50	3.50		54.25	
	Uchhangi Temple Road	ROAD -3							
		1	7.70	5.70	6.10	5.90		45.43	
		1	15.00	5.70	4.70	5.20		78.00	
		1	15.00	4.70	4.80	4.75		71.25	
		1	15.00	4.80	5.40	5.10		76.50	
		1	15.50	5.40	8.55	6.98		108.11	
		1	15.00	3.80	5.40	4.60		69.00	
		1	15.00	5.40	5.30	5.35		80.25	
		1	15.00	5.30	6.70	6.00		90.00	
		1	2.50	6.70	6.70	6.70		16.75	
		1	9.20	6.70	6.50	6.60		60.72	
		1	6.00	8.00	8.00	8.00		48.00	
		1	10.00	5.00	5.00	5.00		50.00	
							Present Qty	1096.67	Sqm

17/5/20
Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

08/16

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Name of work: Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

Pre measurement recorded on:

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406 (Page No-158 Item no - 20.18 of KPWD SR 2018-19).								
	For CC Road	ROAD -1							
	8th A cross								
		2	15.00	1.30	1.20	1.25	0.15	5.63	
		2	15.60	1.20	1.15	1.18	0.15	5.50	
	Near Shreeshakthi Bhavana	ROAD -2							
		1	10.00	7.00	2.50	4.75	0.15	7.13	
		1	15.00	4.00	4.70	4.35	0.15	9.79	
		1	15.00	4.70	3.50	4.10	0.15	9.23	
		1	15.50	3.50	3.50	3.50	0.15	8.14	
	Uchhangi Temple Road	ROAD -3							
		1	7.70	5.70	6.10	5.90	0.15	6.81	
		1	15.00	5.70	4.70	5.20	0.15	11.70	
		1	15.00	4.70	4.80	4.75	0.15	10.69	
		1	15.00	4.80	5.40	5.10	0.15	11.48	
		1	15.50	5.40	8.55	6.98	0.15	16.22	
		1	15.00	3.80	5.40	4.60	0.15	10.35	
		1	15.00	5.40	5.30	5.35	0.15	12.04	
		1	15.00	5.30	6.70	6.00	0.15	13.50	
		1	2.50	6.70	6.70	6.70	0.15	2.51	
		1	9.20	6.70	6.50	6.60	0.15	9.11	
		1	6.00	8.00	8.00	8.00	0.15	7.20	
		1	10.00	5.00	5.00	5.00	0.15	7.50	
							Present Qty	**164.50**	**Cum**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

09/16

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Name of work: Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

Measurement recorded on:

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs. with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18 pwd 2018-								
	For RCC Culvert								
	8th A Cross								
		1	10.90	2.00			0.15	3.27	
		1	3.90	1.50			0.15	0.88	
		1	4.50	2.00			0.15	1.35	
		1	3.90	1.50			0.15	0.88	
	Uchhangi Temple								
		1	6.00	2.00			0.15	1.80	
	For CC Road	ROAD -1							
	8th A cross								
		2	15.00	1.30	1.20	1.25	0.15	5.63	
		2	15.60	1.20	1.15	1.18	0.15	5.50	
	Near Shreeshakthi Bhavana	ROAD -2							
		1	10.00	7.00	2.50	4.75	0.15	7.13	
		1	15.00	4.00	4.70	4.35	0.15	9.79	
		1	15.00	4.70	3.50	4.10	0.15	9.23	
		1	15.50	3.50	3.50	3.50	0.15	8.14	
	Uchhangi Temple Road	ROAD -1							
		1	7.70	5.70	6.10	5.90	0.15	6.81	
		1	15.00	5.70	4.70	5.20	0.15	11.70	
		1	15.00	4.70	4.80	4.75	0.15	10.69	
		1	15.00	4.80	5.40	5.10	0.15	11.48	
		1	15.50	5.40	8.55	6.98	0.15	16.22	
		1	15.00	3.80	5.40	4.60	0.15	10.35	
		1	15.00	5.40	5.30	5.35	0.15	12.04	
		1	15.00	5.30	6.70	6.00	0.15	13.50	
		1	2.50	6.70	6.70	6.70	0.15	2.51	
		1	9.20	6.70	6.50	6.60	0.15	9.11	
		1	6.00	8.00	8.00	8.00	0.15	7.20	
		1	10.00	5.00	5.00	5.00	0.15	7.50	
							Present Qty	**172.68**	**Cum**

21/05/2020

Assistant Engineer
Ward No.13

Executive Engineer
Shettyhalli Sub Division

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Name of work:Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3 (I No-28.8.2,P No-229 PWD SR 2018-19)						
	Culverts						
	8th A Cross						
	Total Drain length=10.90 mtr						
	Main bar 12mm dia bar @ 125mm c/c						
	0.89kg/mtr						
	Top	87	3.30		0.89	256.11	
	Bottom	87	3.30		0.89	256.11	
	Distribution bar 10mm dia @ 150mm c/c						
	0.61kg/mtr Top	22	10.90		0.61	146.28	
	Bottom	22	10.90		0.61	146.28	
	Total Drain length=3.90 mtr						
	Main bar 12mm dia bar @ 125mm c/c						
	0.89kg/mtr						
	Top	31	2.70		0.89	74.97	
	Bottom	31	2.70		0.89	74.97	
	Distribution bar 10mm dia @ 150mm c/c						
	0.61kg/mtr Top	18	3.90		0.61	42.82	
	Bottom	18	3.90		0.61	42.82	
	Total Drain length=4.50 mtr						
	Main bar 12mm dia bar @ 125mm c/c						
	0.89kg/mtr						
	Top	36	3.30		0.89	105.73	
	Bottom	36	3.30		0.89	105.73	
	Distribution bar 10mm dia @ 150mm c/c						
	0.61kg/mtr Top	22	4.50		0.61	60.39	
	Bottom	22	4.50		0.61	60.39	
	Total Drain length=3.90 mtr						
	Main bar 12mm dia bar @ 125mm c/c						
	0.89kg/mtr						
	Top	31	2.70		0.89	74.97	
	Bottom	31	2.70		0.89	74.97	
	Distribution bar 10mm dia @ 150mm c/c						
	0.61kg/mtr Top	18	3.90		0.61	42.82	
	Bottom	18	3.90		0.61	42.82	
	Uchhangi Temple road						
	Total Drain length=6.00 mtr						

17/16

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Main bar 12mm dia bar @ 125mm c/c						
	0.89kg/mtr						
	Top	48	3.30		0.89	140.98	
	Bottom	48	3.30		0.89	140.98	
	Distribution bar 10mm dia @ 150mm c/c						
	0.61kg/mtr Top	22	6.00		0.61	80.52	
	Bottom	22	6.00		0.61	80.52	
	Deck Slab For Culvert						
	8th A Cross						
	Total Drain length=10.90 mtr						
	Main bar 12mm dia bar @ 125mm c/c						
	0.89kg/mtr						
	Top	87	1.80		0.89	139.69	
	Bottom	87	1.80		0.89	139.69	
	Distribution bar 10mm dia @ 150mm c/c						
	0.61kg/mtr Top	12	10.90		0.61	79.79	
	Bottom	12	10.90		0.61	79.79	
	Total Drain length=4.50 mtr						
	Main bar 12mm dia bar @ 125mm c/c						
	0.89kg/mtr						
	Top	36	1.80		0.89	57.67	
	Bottom	36	1.80		0.89	57.67	
	Distribution bar 10mm dia @ 150mm c/c						
	0.61kg/mtr Top	12	4.50		0.61	32.94	
	Bottom	12	4.50		0.61	32.94	
	Uchhangi Temple road						
	Total Drain length=6.00 mtr						
	Main bar 12mm dia bar @ 125mm c/c						
	0.89kg/mtr						
	Top	48	1.80		0.89	76.90	
	Bottom	48	1.80		0.89	76.90	
	Distribution bar 10mm dia @ 150mm c/c						
	0.61kg/mtr Top	12	6.00		0.61	43.92	
	Bottom	12	6.00		0.61	43.92	
					Present Qty	**2913.01**	**Kg**
					Present Qty	**2.91**	**Tonne**

Assistant Engineer
Ward No.13

23/05/20
to
28/05/20

Asst. Executive Engineer,
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಇಂಜಿನಿಯರ್
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

12/16

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Name of work:Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

Recorded measurement recorded on:

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and conertee finished surface on both sides etc,and complete as per the directions of Enginner in charges.(Data Rate)						
8th A cross						
LHS	1	26.80	0.90		24.12	
	1	8.80	0.90		7.92	
				Present Qty	**32.04**	**Sqm**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

15/16

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Name of work:Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakti Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

Detailed measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
8	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate)						
	For RCC Culvert						
	8th A Cross						
		1	3.90	1.20		4.68	
		1	3.90	1.20		4.68	
					Present Qty	9.36	**Sqm**

14/06/20

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Name of work: Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

Measurement recorded on:

Discription of Item	No	Length	Breadth	D1	D2	Avg Depth	Qty	Unit
Providing and laying plain reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59 2.P No-271 PWD SR 2018-19)								
For RCC Culvert								
Bottom Raft								
Sth A Cross								
	1	10.90	1.80	0.20			3.92	
	1	3.90	1.20	0.20			0.94	
	1	4.50	1.80	0.20			1.62	
	1	3.90	1.20	0.20			0.94	
Uchhangi Temple								
	1	6.00	1.80	0.20			2.16	
For Wall								
Sth A Cross								
	2	10.90	0.30	0.75			4.91	
	2	3.90	0.30	0.75			1.76	
	2	4.50	0.30	0.75			2.03	
	2	3.90	0.30	0.75			1.76	
Uchhangi Temple								
	2	6.00	0.30	0.75			2.70	
Deck Slab								
Sth A Cross								
	1	10.90	1.80	0.25			4.91	
	1	4.50	1.80	0.25			2.03	
Uchhangi Temple								
	1	6.00	1.80	0.30			3.24	
Coping For Drain (Rissing Concrete)								
Sth A Cross								
LHS								
	2	26.80	0.15	0.15			1.21	
	2	8.80	0.15	0.15			0.40	
						Present Qty	34.49	Cum

CHb 29/5

E.E. (D.D.)

Chy 29/5

E.E. (D.D.)

29/5

29/5

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub Division 29/5

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e of work:Improvements to Roads At Mallikarjuna Swamy Temple And Shreeshakthi Bhavana Surrounding Area In Ward No.13 Shettyhalli Sub Division

d measurement recorded on:

Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)								
For CC Road	ROAD -1							
8th A cross								
	1	15.00	6.90	5.40	6.15	0.15	13.84	
	1	15.60	5.40	3.00	4.20	0.15	9.83	
Near Shreeshakthi Bhavana	ROAD -2							
	1	10.00	7.00	2.50	4.75	0.15	7.13	
	1	15.00	4.00	4.70	4.35	0.15	9.79	
	1	15.00	4.70	3.50	4.10	0.15	9.23	
	1	15.50	3.50	3.50	3.50	0.15	8.14	
Uchhangi Temple Road	ROAD -3							
	1	7.70	5.70	6.10	5.90	0.15	6.81	
	1	15.00	5.70	4.70	5.20	0.15	11.70	
	1	15.00	4.70	4.80	4.75	0.15	10.69	
	1	15.00	4.80	5.40	5.10	0.15	11.48	
	1	15.50	5.40	8.55	6.98	0.15	[illegible]	
	1	15.00	3.80	5.40	4.60	0.15	10.35	
	1	15.00	5.40	5.30	5.35	0.15	12.04	
	1	15.00	5.30	6.70	6.00	0.15	13.50	
	1	2.50	6.70	6.70	6.70	0.15	2.51	
	1	9.20	6.70	6.50	6.60	0.15	9.11	
	1	6.00	8.00	8.00	8.00	0.15	7.20	
	1	10.00	5.00	5.00	5.00	0.15	7.50	
						Present Qty	177.04	Cum

13/06/2020

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ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗ

13/6

14/6

E.E. (D.D.)

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